

Del 1.00  
Work Order ID 78801

\*78801\*

Page 1

January-16-12 9:02:46 AM

Item ID: D3457-1 Accept \*N900040100\* Setup Start \*NS1\*  
Revision ID: Stop \*NS2\*  
Item Name: Washer  
Start Date: 16/01/2012 Start Qty: 40.00 \*40\* Cust Item ID:  
Required Date: 30/01/2012 Req'd Qty: 40.00 \*40\* Customer:  
Reference:

Approvals: Process Plan: M.L.J Date: 12/01/12 Tooling: Date: Run Start \*NR1\*  
QC: Date: SPC (Y/N): Date: Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3457	Rev A

100 DOOSAN LATHE 0.00  
\*100\*  
Doosan Memo 0.00  
Doosan Lathe Turn as per Folio FA589 Rev: A & Dwg D3457 Rev: A

110 QC2- Inspect parts off machine FAI/FAIB 0.00  
\*110\*  
QC Memo 0.00  
Quality Control

120 QC8- Inspect parts - second check 0.00  
\*120\*  
QC Memo 0.00  
Quality Control

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 78801

January-16-12 9:02:46 AM

**\*78801\***

Page 2

Item ID: D3457-1 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Washer  
 Start Date: 16/01/2012 Start Qty: 40.00 **\*40\*** Cust Item ID:  
 Required Date: 30/01/2012 Req'd Qty: 40.00 **\*40\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>544</u>	0.00							
<b>*130*</b>									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
<b>*140*</b>									
QC	Memo	0.00							
Quality Control									

SP 12-01-24

12/1/24

12-01-24  
(41)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

January-16-12 9:02:49 AM

Page 1

Work Order ID: 78801

\*78801\*

Parent Item: D3457-1

\*D3457-1\*

Parent Item Name: Washer

Start Date: 16/01/2012

Required Date: 30/01/2012

Start Qty: 40.00

Required Qty: 40.00

## Comments:

IPP A05.10.03New issueKJ/JLM

IPP Rev:B Now on Doosan Lathe 08-10-30 JLM Verified By:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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MDEL RINR1.000

Purchased

No

100

f

60.6642

0.0208

0.875789

\*MDFI RINR1 000\*

\*\*

SA 12/1/23

Delrin Round Bar 1"

## Location

MAT055

## Loc Qty

60.6642

## Loc Code

117985

0.407

118257

5.981

118392

6.2762

119306

48

SA 12/1/23

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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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NOTE: Date & initial all entries

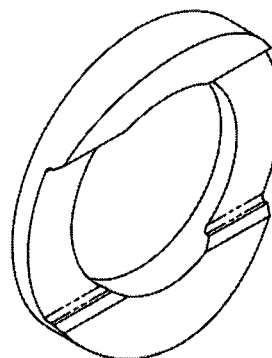
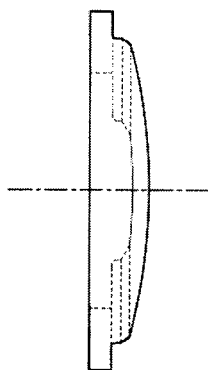




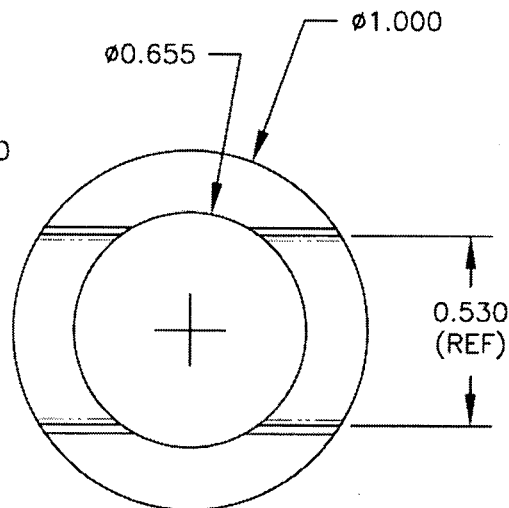
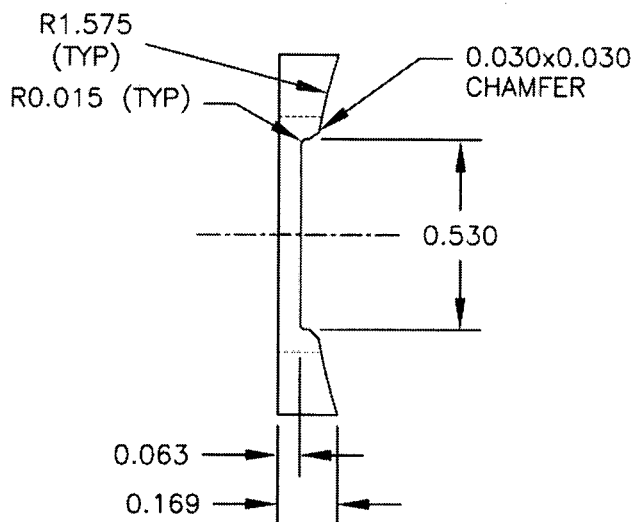
DESIGN	CP	DRAWN BY	CP	DART AEROSPACE USA, INC.
				PORT HADLOCK, WA
CHECKED	#	APPROVED	#	DRAWING NO. D3457
				REV. A
				SHEET 1 OF 1
DATE	05.09.06	TITLE	WASHER	SCALE 2:1
A	05.09.06	NEW ISSUE		

RELEASED  
05.09.06

SHOWN  
RETURN  
ENGINEER  
UNCONTROLLED  
SUBJECT TO  
WITHDRAWN  
WORK ORDER  
NO. 7.8.801 M.L.J.  
12/01/16



ISOMETRIC DETAIL



**D3457-1 WASHER**

- 1) MATERIAL: DELRIN (DART SPEC. M-DELIN-R)
- 2) FINISH: NONE
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES

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